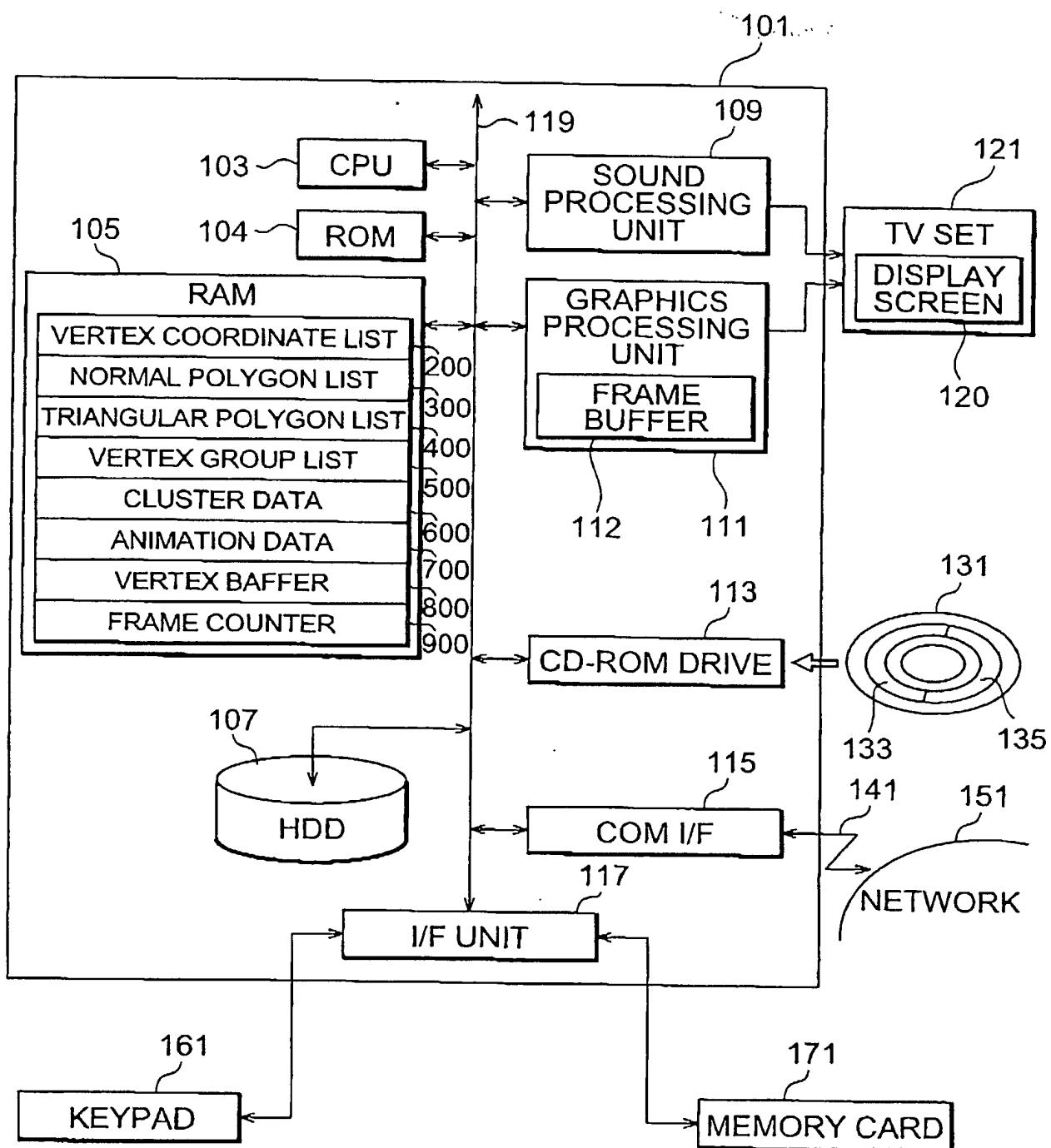


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**Fig.1**

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**Fig.2**

INDEX	COORDINATES (x,y,z)
vtx0	( - 8 , 1 , - 2 )
vtx1	( - 5 , 4 , 2 )
vtx2	( - 5 , 0 , 0 )
vtx3	( 5 , 0 , 0 )
vtx4	( 5 , 4 , 2 )
vtx5	( 8 , 1 , - 2 )
⋮	⋮

**Fig.3**

INDEX	NORMAL VECTOR (x,y,z)
nml0	( 1 , 0 , 0 )
nml1	( - 1 , 0 , 0 )
nml2	( 0 , 0 , - 1 )
nml3	( - 1 , - 1 , 0 )
nml4	( 0 , - 1 , 0 )
⋮	⋮

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**Fig.4**

The diagram illustrates a memory structure or index mapping. Four indices are shown at the top: 410, 420, 400, and 430, each with a curved arrow pointing to a specific column in a table. The table has four columns labeled INDEX, VERTEX0, VERTEX1, and VERTEX2. The rows represent different plug-in configurations (plg0, plg1) and include vertical ellipsis dots between rows and columns.

INDEX	VERTEX0	VERTEX1	VERTEX2
plg0	vtx0 / nml0	vtx1 / nml2	vtx2 / nml3
plg1	vtx0 / nml1	vtx2 / nml3	vtx3 / nml4
⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮

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**Fig.5**

500

510	NUMBER OF GROUPS		3	
520	NUMBER OF VERTEXES		6	
530	VERTEX	vtx0	WEIGHT	0.5
532	VERTEX	vtx1	WEIGHT	1.0
534	VERTEX	vtx2	WEIGHT	1.0
536	VERTEX	vtx3	WEIGHT	1.0
538	VERTEX	vtx4	WEIGHT	1.0
539	VERTEX	vtx5	WEIGHT	0.5
522	NUMBER OF VERTEXES		2	
550	VERTEX	vtx4	WEIGHT	0.3
552	VERTEX	vtx6	WEIGHT	0.2
524	NUMBER OF VERTEXES		1	
554	VERTEX	vtx7	WEIGHT	0.5

VERTEX GROUP 0

VERTEX GROUP 1

VERTEX GROUP 2

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**Fig.6**

610	NUMBER OF CLUSTERS	2
620	CLUSTER INDEX	clust 0
622	REF PARALLEL MOVEMENT AMOUNT (x,y,z)	(0,0,0)
624	NUMBER OF VERTEX GROUPS	2
626	VERTEX GROUP ID	3
628	VERTEX GROUP ID	2
630	CLUSTER INDEX	clust 1
632	REF PARALLEL MOVEMENT AMOUNT (x,y,z)	(0,0,0)
634	NUMBER OF VERTEX GROUPS	1
636	VERTEX GROUP ID	0

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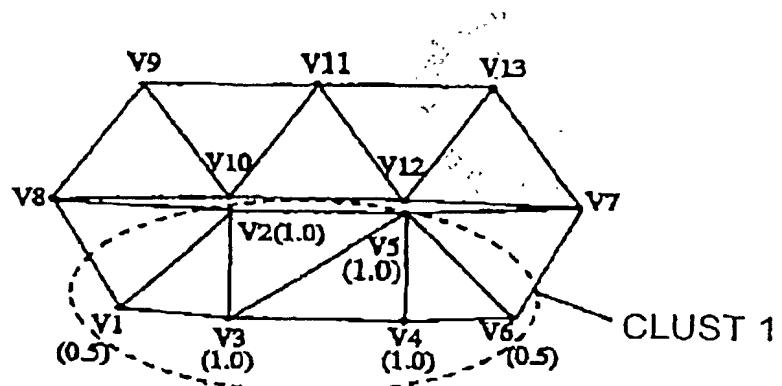
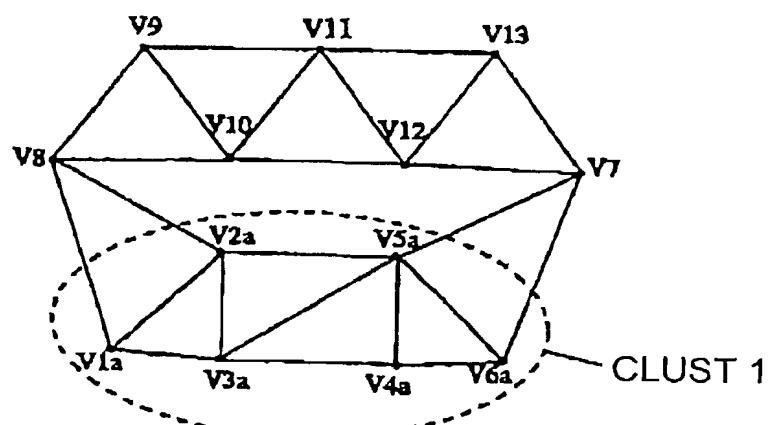
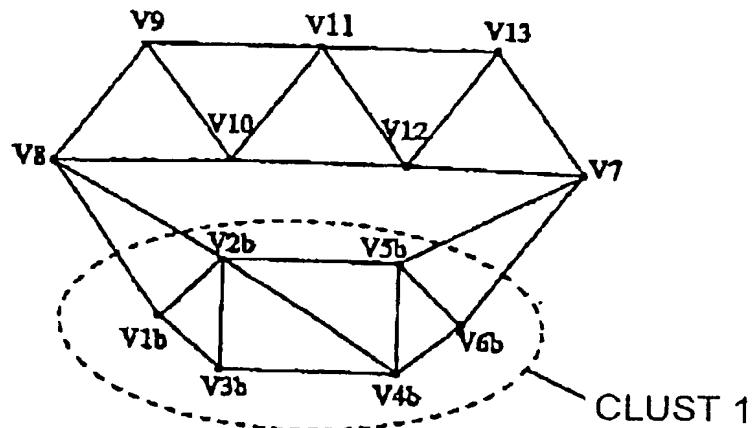
**Fig.7A**

NUMBER OF CLUSTERS	NUMBER OF FRAMES
2	10

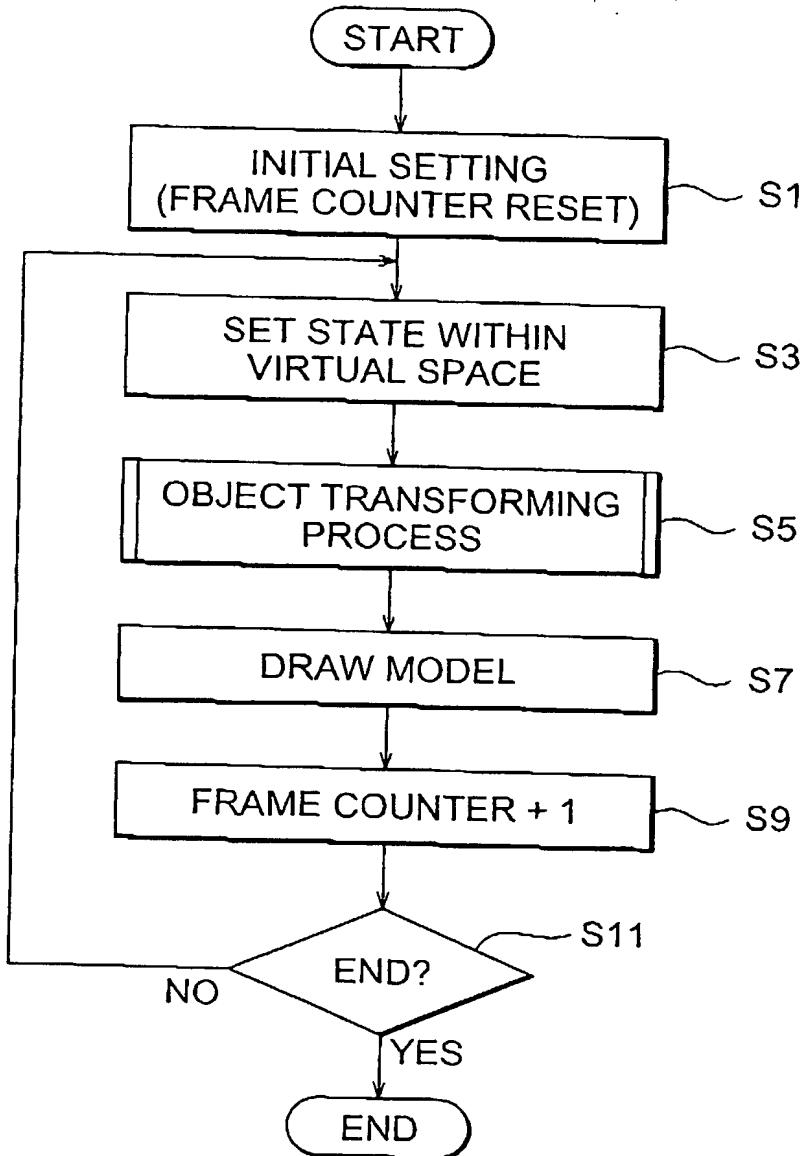
**Fig.7B**

CLUSTER INDEX	PARALLEL MOVEMENT AMOUNT (x,y,z)
CLUST 0	(0,0,0)
CLUST 1	(0,0,0)
CLUST 0	(1,0,0)
CLUST 1	(-1,0,0)
⋮	⋮
CLUST 0	(10,5,1)
CLUST 1	(-12,0,0)

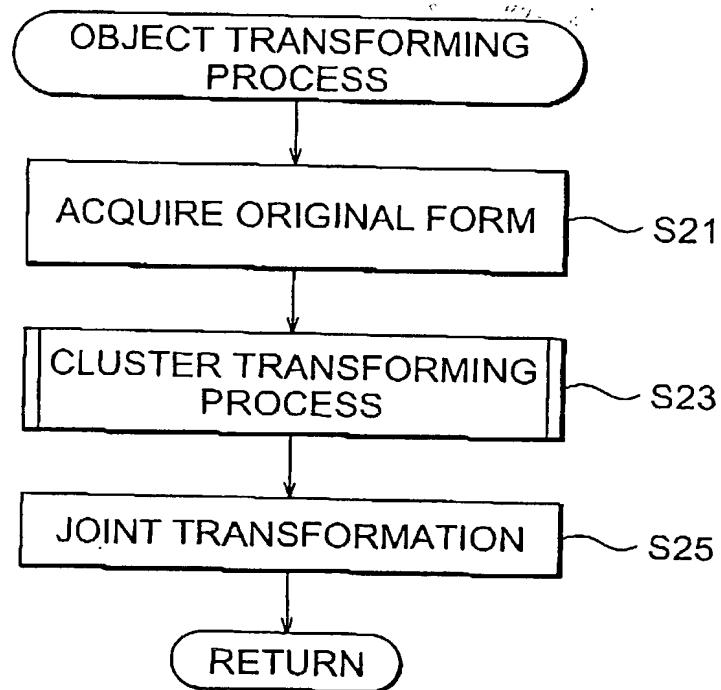
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**Fig. 8A****Fig. 8B****Fig. 8C**

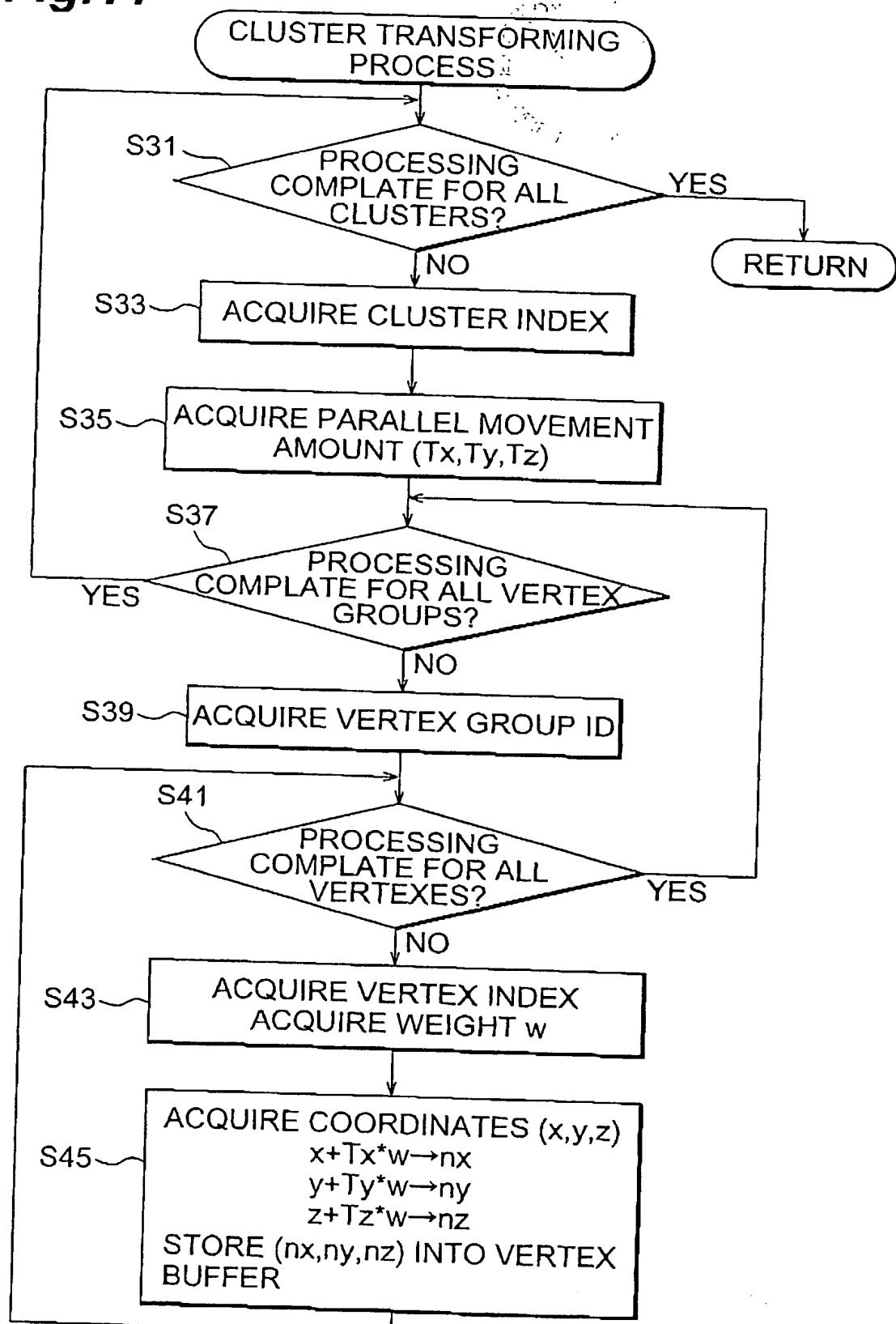
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**Fig.9**

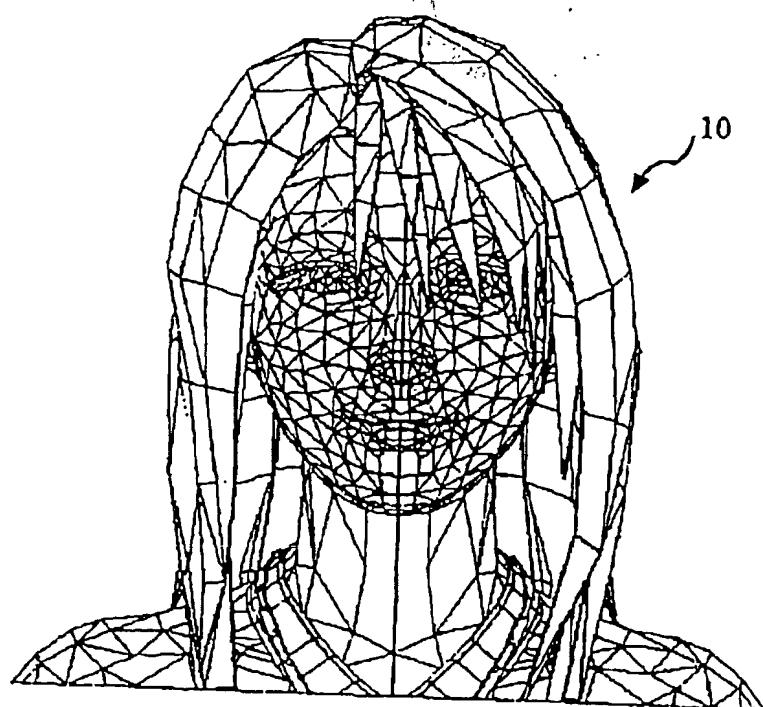
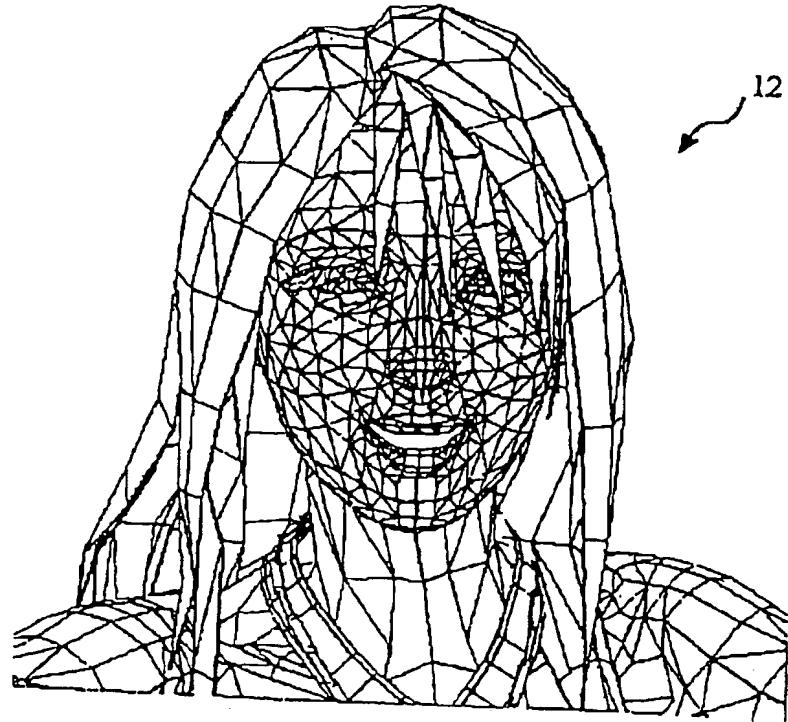
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***Fig.10***

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**Fig.11**

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**Fig.12****Fig.13**

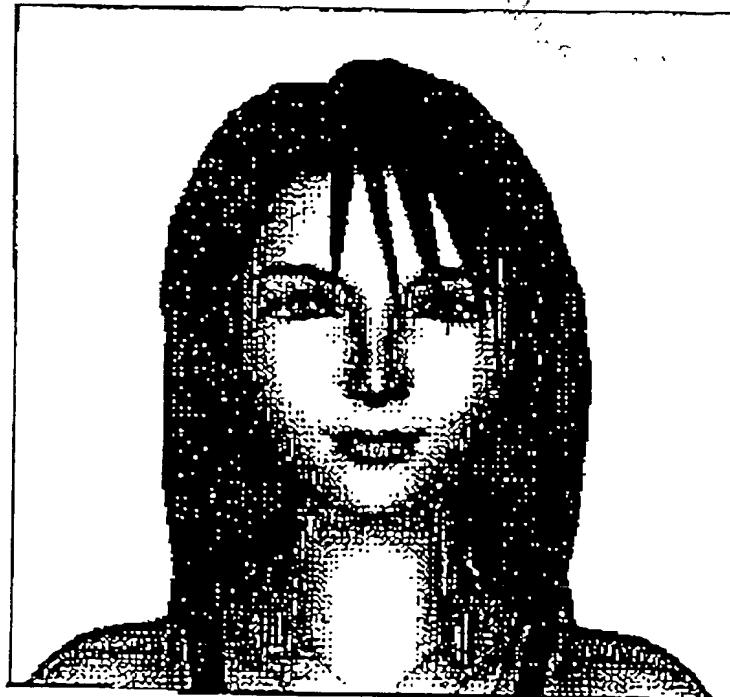
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WILLIAM G. LAWRENCE

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*Fig. 14*



120

*Fig. 15*



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